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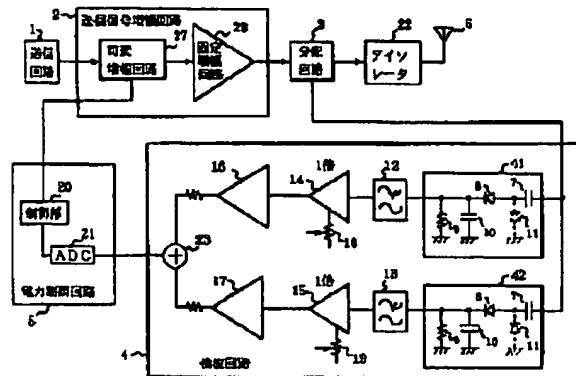
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INT.CL. : H04B 1/04 H03D 1/06 H03D 1/10
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TITLE : DETECTING CIRCUIT, AND
 TRANSMISSION DEVICE AND
 RECEPTION DEVICE USING THE
 CIRCUIT



ABSTRACT : PROBLEM TO BE SOLVED: To detect range width with which linearity is secured without being limited by characteristics of a diode by outputting a detection signal having a level corresponding to the total of the electric power of more than one level signal.

SOLUTION: A transmit signal after being amplified according to the amplification factor of a variable amplifying circuit 27 and a fixed amplifying circuit is transmitted by radio through a distributing circuit 3 and an isolator 22. At this time, the distributing circuit 3 takes some electric power out of the amplified transmit signal and outputs its distributed transmit signal to the detecting circuit 4. The detecting circuit 4 outputs the detection signal having the level corresponding to the electric power of the distributed transmit signal, an A/D converter 21 converts the detection signal into digital data, and a control part 20 outputs an amplification factor control value so that the digital data will be specific digital data. In this case, an input signal is inputted to two diode detecting circuits 41 and 42 of the detecting circuit 4 and the sum of the level signals outputted from the diode detecting circuits 41 and 42 is outputted as a detection signal.

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